#### (12)

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### (54) Evaporative system integrity monitor

An evaporative emission control and leak detection system for a vehicle is provided. The system includes an integrated valve module in fluid communication with a carbon canister and atmosphere. The module is arranged to vent the system when exposed to predetermined high negative and positive pressure conditions. The module includes a switch mechanism having a spring biasing member arranged to bias the switch mechanism to an open position. The switch is operable to indicate when the system is in a low negative pressure condition. The switch also includes a negative pressure valve coupled to a fluid passage between the canister, the atmosphere and the switch, and a positive pressure valve coupled to a fluid passage between the canister and atmosphere that bypasses the negative pressure valve and switch. The negative and positive pressure valves are positioned in a stacked arrangement in the integrated valve module.

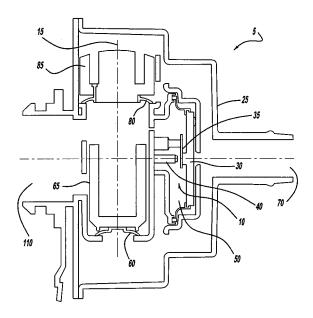


FIG - 1



# **EUROPEAN SEARCH REPORT**

Application Number

EP 06 00 3190

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### ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82